

2/7

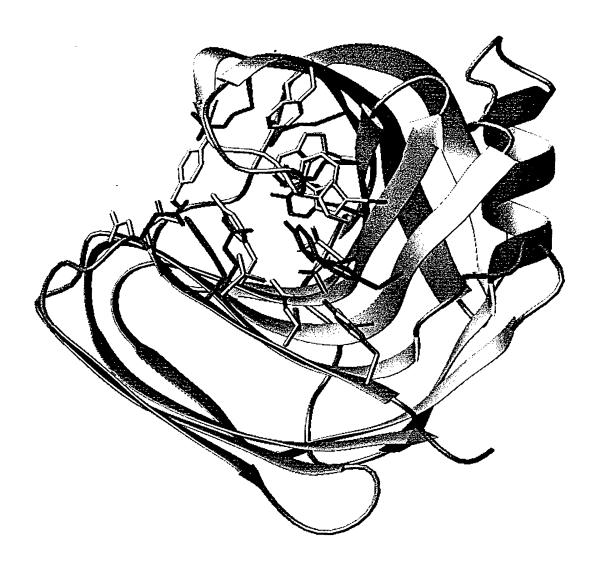
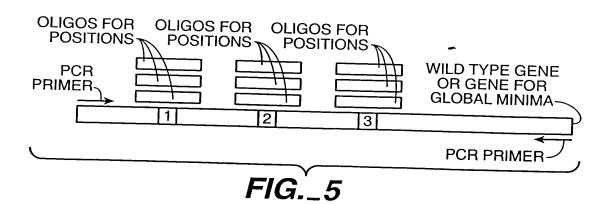
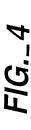


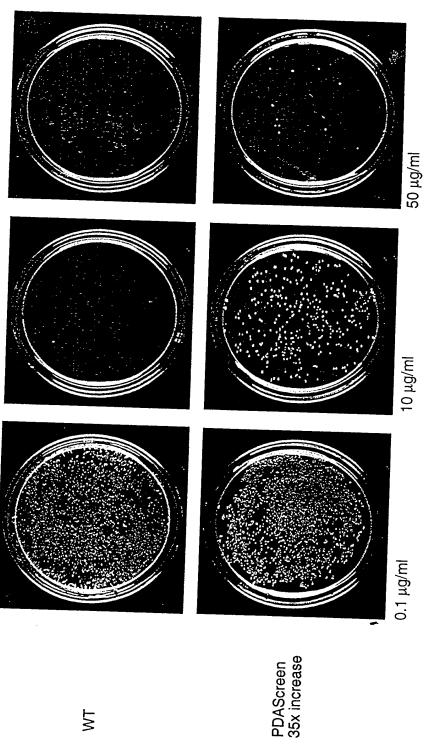
FIG.\_3



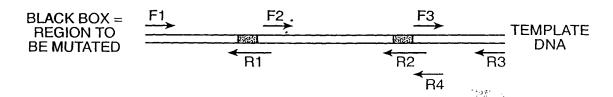
+

+





4/7



STEP 1: SET UP 3 PCR REACTIONS:

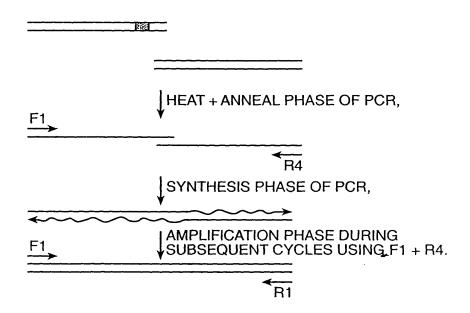
PRODUCTS:

TUBE 1:

TUBE 2:

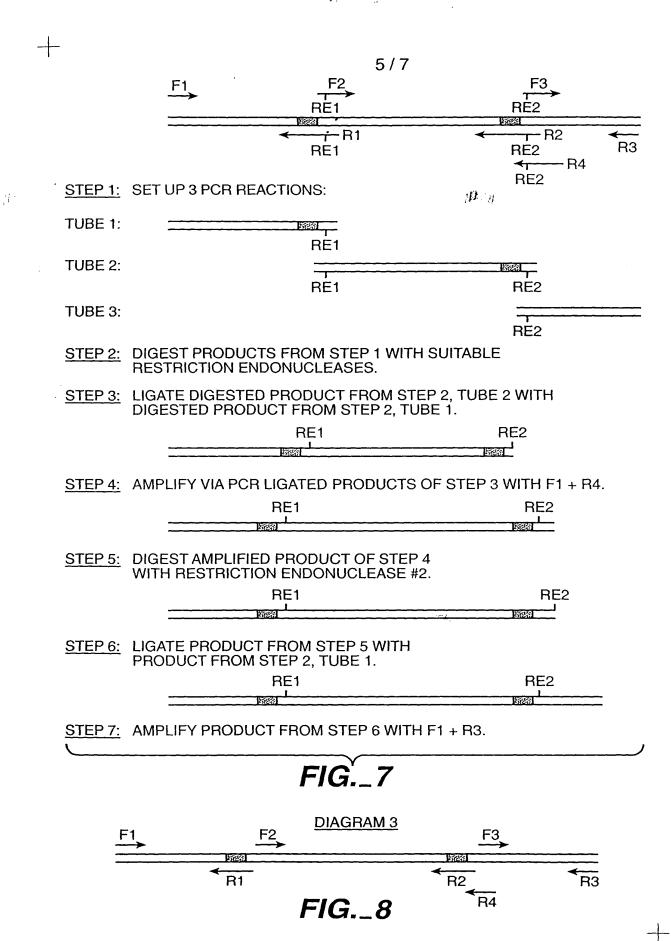
TUBE 3:

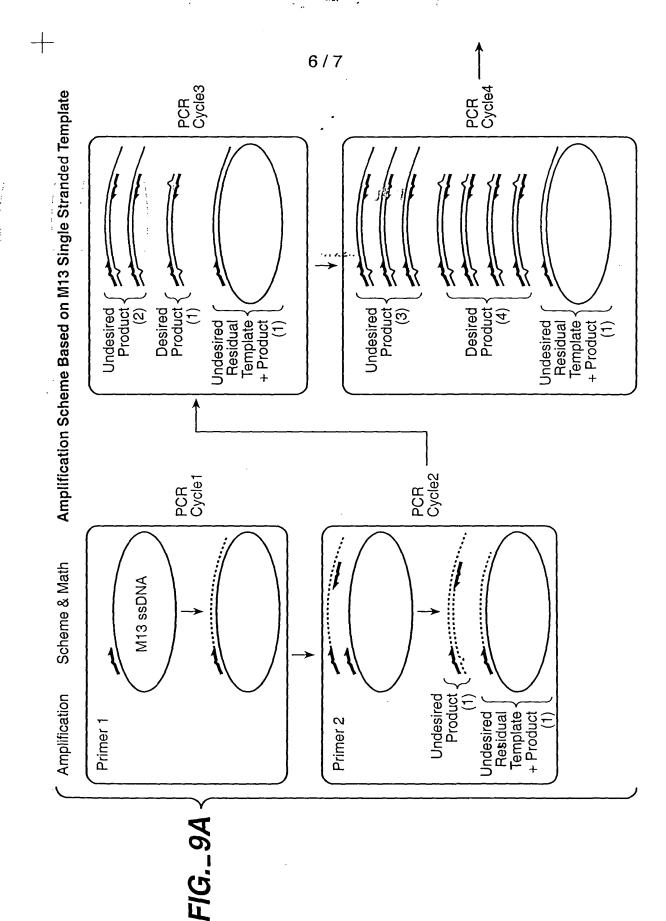
STEP 2: SET UP PCR REACTION WITH PRODUCTS OF TUBE 1 + PRODUCTS TUBE 2 + F1 + R4.



STEP 3: REPEAT STEP 2 USING PRODUCT FROM STEP 2 + PRODUCT FROM STEP 1, TUBE 3 + PRIMERS F1 + R3.

FIG.\_6





<u>\_\_</u>

į	Ļ	Ī	1
	(	7	•
			I
1	r	r	;
Ì	<u>'</u>	=	ر
	L	1	_
		٨	7

+

Amplification Scheme Based on M13 Single Stranded Template

Numerical Progression of Desired Product with Increasing PCR Cycles	Percent Desired Product in Total Product		%00'0	25.00%	20.00%	68.75%	81.25%	%90.68 38.06%	93.75%	96.48%	98.05%	98.93%	99.41%	%89.66	%8366	99.91%	%56.66	89.97%	%66.66
	Undesired Products and Residual Template	1	Ø	3	4	5	9	7	ω	6	10	11	12	13	14	15	16	17	18
	Desired Product		0	-	4	#	26	25	120	247	505	1013	2036	4083	8178	16369	32752	65519	131054
	PCR Cycles	-	2	င	4	5	9	7	8	6	10	11	12	13	14	15	16	17	18

Undesired Product (11)

Besidual (1)

Cycle5

Undesired Feduct (1)

Forduct (1)

Forduct (1)

99.99%

19

262125 524268

29

Ĵ

---